

U.S. Census Bureau

Refrigeration, Air-Conditioning, and Warm Air Heating Equipment - 2007

MA333M(07)

Issued June 2008

Address inquiries concerning these data to Investment Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington, DC 20233-6900, or call Blynda K. Metcalf, 301-763-4781.

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Table 1. Summary of Shipments of Refrigeration, Air-Conditioning, and Warm Air Heating  
Equipment: 2007 and 2006  
[Value in thousands of dollars]

Product code	Product description	2007	2006
3334152100	Heat transfer equipment.....	5,475,975	4,937,197
3334153100 pt.	Commercial refrigeration equipment.....	490,170 r/	471,530
3334155100	Condensing units, refrigeration (complete).....	389,731	357,777
3334156100	Room air-conditioners and dehumidifiers.....	485,527 r/	473,417
3363917100	Motor vehicle mechanical air-conditioning systems.....	2,130,102	2,332,845
333415A100	Compressors and compressor units.....	3,061,904	3,297,569
336391B100	Automotive air-conditioning compressors.....	1,134,132	1,423,895
333415C100	Nonelectric warm air furnaces and humidifiers.....	2,087,888	2,205,074
333415E100	Unitary air-conditioners.....	7,598,539	7,401,600
333415F100	Air source heat pumps.....	2,029,909	1,986,606
333415G100	Ground and ground water source heat pumps.....	266,213	198,334

pt. Part. r/Revised by 5 percent or more from previously published data.

Table 2. Quantity and Value of Shipments of Refrigeration, Air-Conditioning, and Warm Air Heating Equipment: 2007 and 2006  
[Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2007		2006	
			Quantity	Value	Quantity	Value
3334152100	Heat transfer equipment (excluding room and unitary air-conditioners).....	105	(X)	5,475,975	(X)	4,937,197
3334152101	Packaged terminal air-conditioners 1/.....	6 a/	253,849 a/	138,787	a/ 226,498	a/ 126,621
3334152103	Package terminal heat pumps.....	5 a/	213,376 a/	103,509	a/ 184,584	a/ 88,773
	Evaporative condensers.....	(X)	2,156	62,894	2,314	71,940
3334152105	100 tons and under.....	7	898	7,632	801	6,993
3334152107	Over 100 tons.....	7	1,258	55,262	1,513	64,947
	Room fan-coil air conditioning units:					
3334152109	Vertical stack.....	5 c/	37,786 c/	36,991	35,295	33,734
3334152111	Vertical.....	6 c/	90,982 a/	90,954	86,314	83,448
3334152113	Horizontal.....	5 c/	53,786 a/	31,579	54,659	30,688
3334152115	Room air-induction units.....	1	(D)	(D)	-	-
	Central station air-handling units (motor-driven fan-type).....	(X)	90,026	907,633	71,464	727,258
3334152117	Draw through.....	13	81,030	703,716	65,327	r/ 612,460
3334152119	Blow through.....	7 a/	6,224	121,167	4,777	r/ 88,914
3334152121	Heating and ventilating.....	6 c/	2,772	82,750	r/ 1,360	r/ 25,884
	Coolers (refrigeration):					
	Ceiling, wall-mounted, and floor-mounted unit coolers.....	(X)	(D)	(D)	221,339	158,461
3334152123	4,000 Btuh and below.....	6	59,681	14,447	58,960	14,341
3334152125	4,001 to 6,000 Btuh.....	5	12,203	4,975	12,608	4,213
3334152127	6,001 to 8,000 Btuh.....	4	(D)	(D)	25,739	9,277
3334152129	8,001 to 12,000 Btuh.....	6	49,029	23,313	51,663	25,798
3334152131	12,001 to 18,000 Btuh.....	6	38,393	24,684	37,988	23,940
3334152133	Over 18,000 Btuh.....	11	33,077	83,065	34,381	80,892
	Air cooled refrigerant condensers (remote type).....	(X)	21,092	84,124	21,903	77,448
3334152135	Under 30 tons.....	11	14,736	31,764	15,317	29,871
3334152137	30 to 50 tons.....	7	2,589	17,448	2,008	r/ 9,956
3334152139	Over 50 tons.....	7	3,767	34,912	4,578	37,621
	Miscellaneous heat transfer equipment:					
	Shell-and-tube, shell-and-coil, shell-and-u-tube, tube-in-tube.....	(X)	(X)	81,523	(X)	62,823
3334152141	Condensers.....	5	(X) a/	43,765	(X)	29,336
3334152143	Liquid coolers.....	8	(X)	37,758	(X)	33,487
3334152145	Liquid-suction heat exchangers and refrigerant liquid receivers.....	6	(X) c/	7,226	(X)	6,240
	Central system finned coils (air-conditioning and refrigeration type).....	(X)	(X)	110,940	(X)	r/ 86,209
3334152147	Standard steam and steam distributing tube.....	9	(X)	21,429	(X)	24,843
3334152149	Standard water cooling and/or heating and cleanable tube water.....	9	(X)	83,086	(X)	r/ 55,552
3334152151	Volatile refrigerant cooling.....	8	(X)	6,425	(X)	5,814
	Coil sales by original equipment manufacturers intended for resale or assembly into equipment by other manufacturer (all types).....	(X)	(X)	496,072	(X)	520,332
3334152153	Copper and aluminum.....	15	(X)	355,037	(X)	364,876
3334152155	Aluminum (only).....	7	(X) a/	69,000	(X)	89,434
3334152157	Other (including steel and copper).....	7	(X)	72,035	(X)	66,022
3334152159	Factory-assembled, refrigeration type, finned gravity coils (including wetted-surface dehumidifiers).....	2	(X)	(D)	(X)	(D)
	Centrifugal liquid chilling packages, hermetic and open types.....	(X)	(D)	(D)	(D)	(D)
3334152161	200 hp and under.....	7	1,316	31,264	c/ 985	a/ 23,915
3334152163	201 to 300 hp.....	6	800	54,290	734	47,340
3334152165	301 to 400 hp.....	4	(D)	(D)	(D)	(D)
3334152167	Over 400 hp.....	5 a/	4,182 a/	617,040	a/ 3,363	a/ 471,389
	Ice-making machines.....	(X)	368,642	692,558	385,810	677,235
	Self-contained ice-cube makers.....	(X)	142,127	185,353	163,053	197,552
3334152169	Automatic, under 200 lb.....	4	95,924	81,646	112,362	94,311
3334152171	Automatic, 201 lb and over.....	5 a/	46,203 a/	103,707	a/ 50,691	a/ 103,241
	Self-contained flake or chip machines.....	(X)	19,368	47,282	18,993	49,547
3334152173	300 lbs and under.....	3	1,118	2,696	1,424	3,142
3334152175	Over 300 lb.....	7 c/	18,250 c/	44,586	c/ 17,569	c/ 46,405
3334152177	Not self-contained.....	7	130,813	278,199	124,649	245,594
3334152179	Combination ice makers and ice/drink dispensers.....	6	76,334	181,724	79,115	184,542
3334152181	Absorption refrigeration and dehydration systems.....	4	7,292	72,783	7,423	74,126
3334152183	Mechanical refrigeration systems used on all types of vehicles.....	3	(D)	(D)	(D)	(D)
	Reciprocating air and reciprocating water cooled, air cooled screw, air cooled scroll, and water cooled scroll machines.....	(X)	30,157	569,359	r/ 28,413	500,681

3334152185	20 hp and under.....	19		10,033	48,521	t/	9,502	39,995
3334152187	21 to 49 hp.....	14		7,359	52,196		5,850	40,923
3334152189	50 to 75 hp.....	15		6,116	115,020		5,829	85,219
3334152191	Over 75 hp.....	14		6,649	353,622		7,232	334,544
3334152193	Factory-fabricated water cooling towers.....	7	c/	11,227	a/ 338,520	b/	10,703	a/ 299,877
3334153146	Commercial refrigeration equipment, mechanical drinking water coolers.....	8		727,598	490,170	t/	747,329	r/ 471,530
3334155100	Condensing units, refrigeration (complete).....	20		417,733	389,731		418,671	357,777
	Air-cooled hermetic-type.....	(X)		408,158	324,810		407,770	291,252
3334155123	1 hp and under.....	11		307,890	176,638		298,842	a/ 133,136
3334155125	1.5 hp.....	7		27,515	25,089	t/	27,984	r/ 24,050
3334155128	2 hp and 2.5 hp.....	9		25,001	26,956		27,591	28,675
3334155130	3 hp.....	7		21,256	27,157		22,413	27,890
3334155132	Over 3 hp but under 15 hp.....	10		26,496	68,970		30,940	77,501
3334155144	Water-cooled hermetic-type, under 15 hp.....	2		(D)	(D)		(D)	(D)
	Water or air-cooled hermetic-type.....	(X)		5,205	55,997		6,296	57,023
3334155161	15 hp.....	6		1,368	8,771	a/	1,885	9,719
3334155163	20 hp.....	6		865	7,684	a/	1,251	r/ 8,274
3334155165	25 hp.....	6		523	5,695	a/	731	6,466
3334155167	30 hp.....	5		814	9,769		905	9,765
3334155170	40 hp.....	7		1,635	24,078		1,524	22,799
3334155180	Water or air-cooled open-type (all sizes).....	3		(D)	(D)		(D)	(D)
3334156100	Room air-conditioners and dehumidifiers.....	14		(X)	c/ 485,527		(X)	a/r/ 473,417
3334156111	Electrically operated dehumidifiers, mechanically refrigerated, self-contained.....	5		475,853	91,585		425,342	76,408
	Room air-conditioners.....	(X)		2,132,547	393,942		1,957,867	397,009
3334156139	7,999 Btuh and under.....	4		(D)	(D)		(D)	(D)
3334156142	8,000 to 8,999 Btuh.....	5		(D)	(D)		(D)	(D)
3334156154	9,000 to 12,999 Btuh.....	9		(D)	(D)		(D)	(D)
3334156160	13,000 to 19,999 Btuh.....	8	c/	180,905	c/ 65,864	a/	389,429	a/ 114,849
3334156170	20,000 Btuh and over.....	9	c/	137,640	a/ 79,374	c/	150,063	a/ 79,582
3363917100	Motor vehicle mechanical air-conditioning systems.....	(X)		(X)	a/ 2,130,102		(X)	2,332,845
3363917110	Air-conditioning units and systems for passenger automobiles 2/.....	20	a/	10,403,942	1,419,039		12,878,858	r/ 1,449,717
3363917120	Air-conditioning units and systems for buses.....	7	a/	504,731	c/ 152,255	c/	518,291	c/ 162,317
3363917130	Other motor vehicle mechanical air-conditioning systems.....	12		3,321,481	558,808		4,470,184	720,811
333415A100	Compressors and compressor units 3/ 4/.....	22		(X)	3,061,904		(X)	3,297,569
	All refrigerants (excluding ammonia).....	(X)		13,477,235	2,951,923		15,863,597	3,201,936
	Hermetic-type motor compressors.....	(X)		13,459,618	2,850,433		15,849,749	3,089,204
333415A125	Under 10 hp.....	11		13,411,631	2,689,232		15,782,951	2,932,017
333415A130	15 hp.....	9		(D)	(D)		(D)	(D)
333415A132	20 hp.....	9	a/	8,686	20,725		9,209	18,479
333415A134	25 hp.....	9	a/	5,652	16,125		7,412	15,688
333415A136	30 hp.....	8		3,695	21,221	t/	5,698	15,661
333415A139	40 hp and 50 hp.....	8		10,341	53,882		17,221	55,024
333415A144	60 hp and over.....	7		(D)	(D)		(D)	(D)
333415A152	Open-type compressors (with or without motor, all sizes).....	9		(D)	(D)		(D)	(D)
333415A154	Screw type.....	3		(D)	(D)		(D)	(D)
333415A158	Ammonia refrigerants (all types).....	6		2,114	109,981		1,725	95,633
336391B100	Automotive air-conditioning compressors (open-type, with or without motor).....	10		10,548,391	1,134,132		12,432,301	1,423,895
333415C100 pt.	Nonelectric warm air furnaces and humidifiers.....	(X)		(X)	2,087,888		(X)	2,205,074
	Oil, forced air:							
333415C101	150,000 Btuh bonnet output and under.....	12		112,098	79,087		71,069	60,428
333415C105	150,001 Btuh bonnet output and over.....	9		(D)	(D)		2,710	4,723
	Gas, forced air:							
333415C107	150,000 Btuh bonnet output and under.....	14		3,664,663	1,902,278		4,090,345	2,028,129
333415C109	150,001 - 400,000 Btuh bonnet output.....	7		(D)	(D)		7,988	7,116
333415C111	Over 400,000 Btuh bonnet output.....	6		1,736	a/ 23,621		1,817	27,062
333415C179	All other nonelectric warm air furnaces.....	5		32,542	7,360	t/	35,466	r/ 7,445
333415C181	Humidifiers (attachments to warm air furnaces) all types (including central systems and self-contained; excluding portable humidifiers).....	11		426,252	a/ 65,728		497,527	a/r/ 70,171
333415E100	Unitary air-conditioners.....	45		(X)	7,598,539		(X)	7,401,600
333415E105	Recreational vehicle air-conditioners.....	5		(D)	(D)		(D)	(D)
	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type).....	(X)		(D)	(D)		(D)	(D)
	Horizontal.....	(X)		222,824	767,693		239,748	667,505
333415E107	Under 27,000 Btuh.....	12		9,734	10,564		13,246	13,647
333415E109	27,000 to 32,999 Btuh.....	12		26,485	29,477		40,891	37,199
333415E111	33,000 to 53,999 Btuh.....	13		65,211	a/ 110,247		68,046	a/ 137,974
333415E113	54,000 to 64,999 Btuh.....	13		42,480	70,090		43,741	66,353
333415E115	65,000 to 96,999 Btuh.....	10		28,084	61,295		24,667	55,207
333415E117	97,000 to 134,999 Btuh.....	10		18,440	64,743		19,089	61,176

333415E119	135,000 to 184,999 Btuh.....	11	13,077	64,004	13,670	58,783
333415E121	185,000 to 249,999 Btuh.....	11	6,722	54,799	6,535	48,169
333415E123	250,000 to 319,999 Btuh.....	11	6,426	48,916	6,731	39,399
333415E135	320,000 to 379,999 Btuh.....	11	1,265	27,613	1,309	26,641
333415E141	380,000 Btuh and over.....	9	4,900	a/ 225,945	a/r/ 1,823	c/r/ 122,957
	Other than horizontal.....	(X)	(D)	(D)	(D)	(D)
333415E142	Under 64,999 Btuh .....	5	(D)	(D)	(D)	(D)
333415E147	65,000 to 96,999 Btuh.....	3	389	1,121	541	1,798
333415E149	97,000 to 134,999 Btuh.....	4	(D)	(D)	640	4,166
333415E151	135,000 to 184,999 Btuh.....	3	(D)	(D)	343	2,719
333415E153	185,000 Btuh and over.....	4	(D)	(D)	(D)	(D)
	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps).....	(X)	592,174	1,974,844	t/ 586,329	1,716,252
333415E155	Under 33,000 Btuh.....	14	104,560	139,042	t/ 100,797	120,687
333415E157	33,000 to 38,999 Btuh.....	13	89,234	145,903	94,104	137,360
333415E159	39,000 to 43,999 Btuh.....	12	29,658	49,867	35,491	49,550
333415E161	44,000 to 53,999 Btuh.....	12	67,802	130,730	68,669	115,116
333415E163	54,000 to 64,999 Btuh.....	16	114,270	a/ 313,459	110,931	274,827
333415E165	65,000 to 134,999 Btuh.....	11	121,332	482,062	114,269	406,414
333415E167	135,000 to 184,999 Btuh.....	9	36,663	236,260	t/ 34,501	r/ 200,058
333415E169	185,000 to 249,999 Btuh.....	12	15,094	154,589	t/ 14,861	r/ 138,128
333415E171	250,000 to 319,999 Btuh.....	11	7,533	89,096	6,759	r/ 75,807
333415E173	320,000 to 379,999 Btuh.....	10	2,097	46,374	t/ 2,162	r/ 40,892
333415E175	380,000 to 539,999 Btuh.....	8	1,829	51,195	t/ 1,595	r/ 38,669
333415E177	540,000 to 639,999 Btuh.....	8	896	36,319	t/ 883	r/ 31,063
333415E179	640,000 Btuh and over.....	7	1,206	99,948	t/ 1,307	r/ 87,681
333415E181	Water source heat pumps (excluding room air-conditioners).....	10	c/ 238,728	c/ 318,288	206,109	263,962
	Split system air-conditioning condensing units.....	(X)	3,959,624	2,988,702	4,532,109	3,090,041
333415E182	Under 22,000 Btuh.....	12	241,113	126,033	271,082	119,746
333415E183	22,000 to 26,999 Btuh.....	13	759,196	424,305	850,957	417,880
333415E185	27,000 to 32,999 Btuh.....	13	675,499	418,869	766,145	434,682
333415E187	33,000 to 38,999 Btuh.....	13	895,670	631,209	984,503	643,454
333415E189	39,000 to 43,999 Btuh.....	11	368,107	281,837	441,048	320,547
333415E191	44,000 to 53,999 Btuh.....	13	518,389	469,202	583,318	492,107
333415E193	54,000 to 64,999 Btuh.....	11	432,197	428,806	559,271	452,704
333415E195	65,000 to 96,999 Btuh.....	7	29,537	43,890	32,274	44,165
333415E197	97,000 to 134,999 Btuh.....	7	17,926	36,735	18,947	35,914
333415E199	135,000 to 184,999 Btuh.....	7	10,557	35,075	11,877	36,015
333415E19A	185,000 to 249,999 Btuh.....	7	5,374	24,153	5,939	24,896
333415E19C	250,000 to 319,999 Btuh.....	5	1,644	11,742	1,721	10,848
333415E19E	320,000 to 379,999 Btuh.....	5	1,654	a/ 18,149	2,049	19,389
333415E19G	380,000 to 539,999 Btuh.....	5	1,230	13,229	1,218	11,705
333415E19J	540,000 to 639,999 Btuh.....	4	625	8,196	702	8,259
333415E19L	640,000 Btuh and over.....	3	906	17,272	1,058	17,730
	Split system air-conditioning coils.....	(X)	4,161,442	1,291,354	4,649,785	1,378,821
333415E19M	With blower.....	8	2,294,255	958,114	2,662,580	1,051,325
333415E19P	Without blower.....	13	1,867,187	333,240	1,987,205	327,496
333415F100	Air source heat pumps (excluding room air-conditioners).....	14	1,861,941	2,029,909	2,143,812	1,986,606
	Single package:					
333415F123	Under 27,000 Btuh.....	10	31,624	41,027	32,183	38,573
333415F134	27,000 to 41,999 Btuh.....	11	105,121	142,795	106,281	133,851
333415F145	42,000 to 64,999 Btuh.....	12	107,380	167,285	94,298	130,289
333415F156	65,000 Btuh and over.....	9	21,245	83,319	19,748	69,513
	Split system:					
333415F167	Under 27,000 Btuh.....	10	479,091	365,204	580,223	359,791
333415F178	27,000 to 41,999 Btuh.....	10	693,801	680,161	857,502	758,604
333415F189	42,000 to 64,999 Btuh.....	9	405,517	506,463	436,255	466,664
333415F195	65,000 Btuh and over.....	7	a/ 18,162	43,655	17,322	r/ 29,321
333415G100	Ground and ground water source heat pumps.....	7	102,851	a/ 266,213	91,045	198,334

- Represents zero. Btuh British thermal units per hour. D Withheld to avoid disclosing data for individual companies. pt. Part.  
r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Defined as factory-selected combinations of heating and cooling components or assemblies intended to serve an individual room and comprising: (1) heating assembly available with element for use with hot water, steam, and electricity; means for forced heated air circulation and distribution; integral or remote temperature controls; (2) slide-in cooling section with complete refrigerant cycle; (3) room cabinet; (4) provision for outdoor air intake and discharge and accessories as required for mounting in a building wall; (5) provisions for air filtration and ventilation; (6) permanent individual branch circuit wiring with a suitable line cord or terminating at a junction box within the room cabinet; and (7) provision for free conditioned air distribution, or when forced circulation is employed for minimal duct work having a total external static resistance not exceeding 1/10 inch of water.

2/Data exclude systems assembled from purchased components and installed at passenger automobile assembly lines. The values are understated for some systems because of the exclusion of compressors.

3/Represents only those compressors and compressor units produced and shipped separately, including interplant transfers.

4/Includes units shipped for household refrigerators.

Note: Percent of estimation for each item is indicated as follows: a/15 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3. Quantity of Assembled Compressor Bodies: 2007 and 2006  
[Quantity of number units]

Product description	No. of cos.	2007	2006
Compressor bodies 1/ 2/.....	(X)	13,935,404	14,948,313
All refrigerants (excluding ammonia).....	(X)	(D)	(D)
Under 2 hp.....	6	(D)	(D)
2 hp.....	7	(D)	(D)
3 hp.....	9	(D)	(D)
4 hp.....	3	(D)	89,018
5 hp.....	7	694,687	898,674
7 1/2 hp.....	7	26,710	83,852
10 hp.....	9	(D)	(D)
15 hp.....	9	32,552	91,627
20 hp.....	8	(D)	25,784
25 hp.....	9	7,980	9,734
30 hp.....	8	8,726	(D)
40 hp.....	8	8,931	7,833
50 hp.....	7	(D)	(D)
60 hp.....	7	(D)	5,455
75 hp.....	8	5,383	5,876
100 hp and over.....	7	17,464	17,402
Automotive air-conditioning, including passenger automobiles, trucks, buses, agriculture, and construction equipment.....	4	3,795,304	r/ 2777177
Ammonia refrigerants.....	1	(D)	(D)

D Withheld to avoid disclosing data for individual companies. X Not applicable.

r/ Revised by 5 percent or more from previously published data.

1/Includes units for household refrigerators.

2/Represents the total number of compressor bodies assembled, whether shipped separately or incorporated into a condensing package or unitary end-use product such as single package air-conditioners, freezers, and refrigerators (manufactured and remanufactured units).

Table 4. Shipments, Exports, Imports, and Apparent Consumption of Air-Conditioning and Refrigeration Equipment: 2007 and 2006  
[Value in thousands of dollars]

Product code 1/	Product description	Manufactures' shipments (value f.o.b. plant)	Exports of domestic merchandise (value at port) 1/ 2/	Imports for consumption 3/ 4/
<b>2007</b>				
3334152100	Heat transfer equipment, excluding room and unitary air-conditioners and dehumidifiers.....	5,475,975	446,541	304,920
3334153146	Commercial refrigeration equipment, mechanical drinking water coolers.....	490,170	10,164	114,877
3334155100	Condensing units, all refrigerants.....	389,731	45,343	58,830
3334156100	Room air-conditioners and dehumidifiers.....	485,527	83,964	1,396,067
3363917100	Motor vehicle mechanical air-conditioning systems.....	2,130,102	(NA)	(NA)
333415A100	Compressors and compressor units, all refrigerants.....	3,061,904	1,053,661	1,677,891
336391B100	Automotive air-conditioning compressors.....	1,134,132	(NA)	(NA)
333415C100 pt.	Nonelectric warm air furnaces and humidifiers.....	2,087,888	(NA)	(NA)
333415E100	Unitary air-conditioners.....	7,598,539	386,323	756,874
333415F100	Air source heat pumps.....	2,029,909	(NA)	(NA)
333415G100	Ground and ground water source heat pumps.....	266,213	(NA)	(NA)
<b>2006</b>				
3334152100	Heat transfer equipment, excluding room and unitary air-conditioners and dehumidifiers.....	4,937,197	422,383	219,962
3334153146	Commercial refrigeration equipment, mechanical drinking water coolers.....	r/ 471,530	20,360	109,884
3334155100	Condensing units, all refrigerants.....	357,777	48,859	45,726
3334156100	Room air-conditioners and dehumidifiers.....	r/ 473,417	66,482	1,298,371
3363917100	Motor vehicle mechanical air-conditioning systems.....	2,332,845	(NA)	(NA)
333415A100	Compressors and compressor units, all refrigerants.....	3,297,569	1,010,039	1,576,433
336391B100	Automotive air-conditioning compressors.....	1,423,895	(NA)	(NA)
333415C100 pt.	Nonelectric warm air furnaces and humidifiers.....	2,205,074	(NA)	(NA)
333415E100	Unitary air-conditioners.....	7,401,600	338,237	729,069
333415F100	Air source heat pumps.....	1,986,606	(NA)	(NA)
333415G100	Ground and ground water source heat pumps.....	198,334	(NA)	(NA)

NA Not available. pt. Part. r/Revised by 5 percent or more from previously published data.

1/Source: Census Bureau report EM 545, U.S. Exports (see Table 5 for a comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export codes and HTSUSA import codes).

2/Dollar value represents the c.i.f. (cost, insurance, and freight) value at the port of export.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption. Data include both import value and duty value (see Table 5 for a comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export codes and HTSUSA import codes).

4/Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

Table 5. Comparison of North American Industry Classification System (NAICS-Based) Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2007

Product code	Product description	Export code 1/	Import code 2/
3334152100	Heat transfer equipment.....	8415.82.0130 8415.82.0135 8418.69.0110 8418.69.0140 8418.69.0150 8418.69.0160	8415.82.0130 8415.82.0135 8418.69.0110 8418.69.0140 8418.69.0150 8418.69.0160
3334153146	Mechanical drinking water coolers.....	8418.69.0120	8418.69.0120
3334155100	Refrigeration condensing units.....	8418.99.0005 8418.99.0010 8418.99.0015 8418.99.0020 8418.99.0025	8418.99.8005 8418.99.8010 8418.99.8015 8418.99.8020 8418.99.8025
3334156100	Room air-conditioners and dehumidifiers.....	8415.10.3040 8415.10.3060 8415.10.3080 8415.82.0150	8415.10.3040 8415.10.3060 8415.10.3080 8415.82.0155 8415.82.0160
3363917100	Motor vehicle mechanical air-conditioning systems 3/.....	(X)	(X)
333415A100	Compressors and compressor units, all refrigerants.....	8414.30.4000 8414.30.8010 8414.30.8020 8414.30.8030 8414.30.8050 8414.30.8060 8414.30.8070 8414.30.8080 8414.30.8090	8414.30.4000 8414.30.8010 8414.30.8020 8414.30.8030 8414.30.8050 8414.30.8060 8414.30.8070 8414.30.8080 8414.30.8090
336391B100	Automotive air-conditioning compressors 3/.....	(X)	(X)
333415C100	Nonelectric warm air furnaces and humidifiers 3/.....	(X)	(X)
333415E100	Unitary air-conditioners (except room).....	8415.81.0110 8415.81.0120 8415.81.0130 8415.82.0105 8415.82.0110 8415.82.0115 8415.82.0120 8415.83.0050 8415.83.0060	8415.81.0110 8415.81.0120 8415.81.0130 8415.82.0105 8415.82.0110 8415.82.0115 8415.82.0120 8415.83.0050 8415.83.0060
333415F100	Air source heat pumps 3/.....	(X)	(X)
333415G100	Ground and ground water source heat pumps 3/.....	(X)	(X)

X Not applicable.

1/Source: 2007 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2007).

3/Import-export classification not directly comparable.



## HISTORICAL NOTE

The Census Bureau has collected data on air-conditioning and refrigeration since 1944.

Historical Current Industrial Reports data (called Facts for Industry before 1959) may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.